

**CASTROL NORTH AMERICA INC  
CONSUMER  
MATERIAL SAFETY DATA SHEET**

**SECTION I: IDENTITY**

**Product/Material Name:** Castrol Super Clean Tough Task  
**Chemical Name:** Mixture  
**Chemical Family/Classification:** Alkaline aqueous liquid  
**Molecular Weight:** NA  
**Material Use:** Multi-purpose cleaner/degreaser

**Chemical Formula:** NA**HMS HAZARD RATING:**

[0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe]

Health: 3  
 Flammability: 0  
 Reactivity: 1

**WARNING STATEMENTS (If Applicable):****DANGER! CAUSES EYE AND SKIN BURNS. Avoid contact.****MANUFACTURER'S/ SUPPLIER NAME & ADDRESS:****In the US:**

Castrol North America Inc.  
 1500 Valley Road  
 Wayne, NJ 07474  
 Telephone: (973) 633-2200  
 Telecopier: (973) 633-7475

**In Canada:**

Castrol Canada Inc.  
 3680 Lakeshore Blvd West  
 Toronto, Ontario M8W 1P2  
 Telephone: (416) 252-5511  
 Telecopier: (416) 252-1774

**IN THE EVENT OF AN EMERGENCY PLEASE CALL BP Emergency Response Center 1-800-321-8642****Date Prepared/Updated:** 07/16/2003

**Preparer:** Regulatory, Environmental Safety Department  
 Telephone: (973) 633-2200

**SECTION II: PRODUCT/HAZARDOUS INGREDIENT INFORMATION**

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS -TLV	LD <sub>50</sub>	LC <sub>50</sub>	%
Water [CASRN 7732-18-5]	ND	ND	ND	<b>60-100</b>
2-Butoxyethanol [CASRN 111-76-2]	PEL/TWA: 25 ppm., skin (OSHA, ACGIH)	Oral, rabbit: 300 mg/kg Dermal, rabbit: 220 mg/kg Intravenous, rabbit: 252 mg/kg Intraperitoneal, rat: 220 mg/kg	Inhalation, 7 hr., mouse: 700 ppm.	5-10
Sodium xyleneulfonate [CASRN 1300-72-7]	ND	ND	ND	1-5
Nonylphenol ethoxylate [CASRN 127087-87-0]	ND	ND	ND	1-5
Sodium hydroxide [CASRN 1310-73-2]	PEL/TWA: 2 mg/m <sup>3</sup> (OSHA, ACGIH), Ceiling	Oral, mouse: 40 mg/kg	ND	1-5
Sodium metasilicate pentahydrate [CASRN 6834-92-0]	ND	Oral, mouse: 770 mg/kg	ND	1-5
Other additives [CASRN, NA]	ND	ND	ND	0.5-1.5
Dye and fragrance [CASRN, NA]	ND	ND	ND	0.1-1

**NA - Not Applicable; ND - No Data Available**

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PRODUCT NAME: Castrol Super Clean Tough Task

## SECTION III: FIRST AID MEASURES

## Signs/Symptoms:

**Eyes:** Irritation, redness, tearing, pain; Conjunctival swelling, burns.**Skin:** Irritation, redness, extreme dryness and peeling, scarring**Respiratory system:** Nasal and respiratory irritation, pneumonitis, tissue damage**Eye contact:** Immediately flush with plenty of clean water for at least 15 minutes. Consult a physician immediately**Skin contact:** Remove clothing. Immediately flush skin with plenty of clean water for 15 minutes. Call a physician immediately**Inhalation:** Remove from area of exposure. If breathing is difficult or irritation persists, call a physician.**Ingestion:** Do not induce vomiting. Give plenty of water or milk and call a physician immediately. Do not give anything by mouth to an unconscious or convulsing person.

## SECTION IV: HEALTH HAZARD DATA

## Exposure Limits:

See Section II, Product/Ingredient Information.

## PRIMARY ROUTES OF ENTRY:

 Eye Contact Skin Contact Skin Absorption Inhalation (Acute) Inhalation (Chronic) Ingestion

## EFFECTS OF EXPOSURE

**Acute - DANGER! CORROSIVE LIQUID****Eyes:** Can cause severe irritation or burns. Avoid contact.**Skin:** Can cause severe irritation or burns. Avoid contact.**Respiratory system:** Can cause irritation or burns following inhalation of mists.**Ingestion:** Can cause severe irritation or burns to digestive tract. Do not swallow**Chronic -** No chronic effects known.**Medical Conditions Generally Aggravated by Exposure:** Pre-existing skin disorders

## TOXICOLOGY DATA (Product)

**Acute Data (Median Lethal Dose - species)**Oral LD<sub>50</sub> - rat: 8.2 g/kgDermal LD<sub>50</sub> - rabbit: NDInhalation LC<sub>50</sub> - rat: ND**Irritancy Data**

Eye Irritation - rabbit: ND

Skin Irritation - rabbit: ND

Sensitization - guinea pig: ND

NA - Not Applicable; ND - No Data Available

## SECTION V: EMPLOYEE PROTECTION

Ventilation: General ventilation and local exhaust recommended. Build up of mists/vapors in the working atmosphere must be prevented.

## PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Respirators should be used when engineering or other controls are not technically feasible. When required, use only a MSHA/NIOSH approved air supplied respirator or an air-purifying respirator.

Eye: Safety goggles or face shield.

Gloves (specify): Impervious type gloves, such as rubber, neoprene, nitrile, polyethylene.

Clothing: Protective clothing such as a coverall or apron may be used to minimize skin contact.

Footwear: No special requirement.

Other: Eye wash and safety shower recommended in industrial settings.

Work/Hygiene Practices: Avoid skin and eye contact. Do not wear contaminated clothing. Launder before re-use or discard. Wash thoroughly after handling.

Storage/Handling: Maintain ambient temperatures. Avoid prolonged breathing of mists. Use with adequate ventilation. Corrosive to the eyes/skin. Severe internal irritation and damage can result when ingested. Avoid contact with eyes, skin or clothing. Do not swallow. Keep container tightly closed when not in use.

Keep out of reach of children.

## SECTION VI: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ~ (212°F) 100°C

Specific Gravity (Water=1): 1.04

Vapor Pressure (mm.Hg. @ 25 °C): ND

Vapor Density (Air=1): ND

Percent Volatiles: 85-95%

Evaporation Rate(Water=1):

Solubility in Water: Complete

Freezing Point: ~28°F (2°C)

pH-Value: Neat - 13.0; 2% - 11.7

Viscosity @ 40 °C, cSt.: ND

Odor Threshold: ND

Coefficient of Water/Oil Distribution:

Appearance, Odor & Physical State: Clear, purple liquid; lemon odor

## SECTION VII: FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes No [X] Aqueous fluid

Flash Point (COC): NA

Fire Point (COC): NA

Autoignition Temperature: NA

Flammability limits in Air, % Vol. Upper - NA Lower - NA

Extinguishing Media:

Use media appropriate for any surrounding combustible substances (Water fog, CO<sub>2</sub>, dry chemical, foam).

Special Firefighting Procedures/Unusual and Explosion Hazards:

Cool fire exposed containers with water. Do not enter confined areas without full protective equipment, including a positive pressure NIOSH approved self-contained breathing apparatus.

EXPLOSION DATA

Sensitivity to Mechanical Impact: NA

Sensitivity to Static Discharge: NA

NA - Not Applicable; ND - No Data Available

SECTION VIII: REACTIVITY

Stability: Stable at ambient temperatures

Hazardous Polymerization Will not occur

Conditions and Materials to Avoid (Incompatibilities)

Strong acids.  
Strong oxidizers.  
Avoid contact with glass.

Hazardous Combustion or Decomposition Products:

Smoke, fumes, oxides of carbon

SECTION IX: ENVIRONMENTAL PROTECTION

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300, 24 hrs. for U.S. transportation related spills, leaks, fire, exposure or accident.

CANUTEC EMERGENCY PHONE NUMBER: (613) 996-6666, 24 hrs. for Canadian transportation related spills, leaks, fire, exposure or accident.

Spill or Leak Procedures:

Use best engineering practices when attempting cleanup of a large spill.

Large spills - Wear respirator and appropriate protective clothing. Stop source of leak if possible. Dike, contain spill and recover free liquid. Prevent entry into waterways. Neutralize and/or soak up residue with an inert absorbent such as clay, sand or other suitable materials; Store and dispose of properly. Flush area with water. Where feasible and appropriate, remove contaminated soil.

Small spills - Neutralize and/or soak up spill with an inert absorbent such as clay, sand or other suitable materials; Store in a closed container and dispose of properly.

Regulatory spill reporting requirements may apply; Contact governmental agency or legal counsel for advice.

Waste Disposal Method:

If discarded as supplied, material meets RCRA characteristic definition of corrosivity, D002. The toxicity characteristic has not been evaluated. Under RCRA, the applicable hazardous waste classification must be evaluated prior to disposal of the material. Use of the product, processing contamination may render the resulting material hazardous or alter waste classification.

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in accordance with local, state and Federal regulations regarding air pollution, water pollution or health.

CAUTION: Improper disposal or reuse of the empty container may be hazardous and illegal. Cutting or welding of empty containers may cause explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place. Refer to applicable governmental regulations.

SECTION X: REGULATORY INFORMATION

TRANSPORTATION

Special Shipping Information/DOT Proper Shipping Name:

Corrosive liquid, n.o.s., 8, UN1780, PG II, (sodium hydroxide, sodium silicate)  
Follow all requirements regarding transportation of a regulated material.

CHEMICAL CONTROL REGULATIONS:

TSCA Status: All components of this material appear on the Toxic Substance Control Act Chemical Substances Inventory.

CEPA Status: All components of this material appear on the Canadian Domestic Substance List

Canadian Workplace Hazardous Material Identification System (WHMIS) Classification:

Material is a controlled product.

- Class A - Compressed Gas
- Class B-1 - Flammable Gases
- Class B-2 - Flammable Liquids
- Class B-3 - Combustible Liquids
- Class B-4 - Flammable Solids
- Class B-5 - Flammable Aerosols
- Class B-6 - Reactive Flammable Materials
- Class C - Oxidizing Material
- Class D, Div.1 - Materials Causing Immediate and Serious Toxic Effects
  - Class D-1A - Very Toxic Material
  - Class D-1B - Toxic Material
- Class D, Div.2 - Materials Causing Other Toxic Effects
  - Class D-2A - Very Toxic Materials
  - Class D-2B - Toxic Materials
  - Class D-3 - Biohazardous Infectious Material
  - Class E - Corrosive Material
  - Class F - Dangerously Reactive Material

EPCRA - Emergency Planning and Community Right to Know Act (SARA Title III):

Section 302/304 Extremely Hazardous Substance: NA

CERCLA Section 102(a) Hazardous Substance: Sodium hydroxide. Reportable quantity for product=25,000 pounds (11,250 kg)

Section 311 Hazard Category

- Acute (immediate)
- Chronic (delayed)
- Fire
- Sudden Release of Pressure
- Reactive
- Not applicable

Section 313 Toxic Release Inventory Chemical Category:

Glycol Ethers, 6.5% (wt.) max

U.S. STATE RIGHT TO KNOW LAWS

New Jersey Worker and Community Right to Know Act, N.J.A.C. 8.59-5 Labeling Information: See Section

California Safe Drinking Water Enforcement Act (Proposition 65):

This product contains chemicals known to the State of California to cause cancer or reproductive harm

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NOTICE:

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